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- Expressversand

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APPL1 & HDAC1 Protein Protein Interaction Antibody Pair

Catalog # : DI0403

規格 : [1 Set]

List All

Specification

Product Description: This protein protein interaction antibody pair set comes with two antibodies to detect the protein-protein interaction, one against the APPL1 protein, and the other against the HDAC1 protein for use in *in situ* Proximity Ligation Assay. See Publication Reference below.

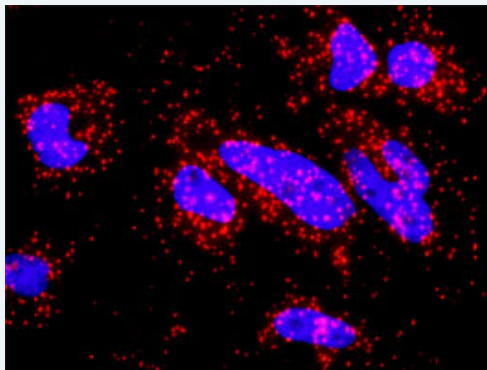
Application Image

In situ Proximity Ligation Assay (Cell)



Reactivity: Human

Quality Control Testing: Protein protein interaction immunofluorescence result.



Representative image of Proximity Ligation Assay of protein-protein interactions between APPL1 and HDAC1. HeLa cells were stained with anti-APPL1 rabbit purified polyclonal antibody 1:1200 and anti-HDAC1 mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex. The images were analyzed using an optimized freeware ([BlobFinder](#)) download from The Centre for Image Analysis at Uppsala University.

Supplied Product: Antibody pair set content:
 1. APPL1 rabbit purified polyclonal antibody (20 ug)
 2. HDAC1 mouse monoclonal antibody (40 ug)
 *Reagents are sufficient for at least 30-50 assays using recommended protocols.

Storage Instruction: Store reagents of the antibody pair set at -20°C or lower. Please aliquot to avoid repeated freeze thaw cycle. Reagents should be returned to -

20°C storage immediately after use.

MSDS:

 [Download](#)

Publication Reference

1. [An analysis of protein-protein interactions in cross-talk pathways reveals CRKL as a novel prognostic marker in hepatocellular carcinoma.](#)
Liu CH, Chen TC, Chau GY, Jan YH, Chen CH, Hsu CN, Lin KT, Juang YL, Lu PJ, Cheng HC, Chen MH, Chang CF, Ting YS, Kao CY, Hsiao M, Huang CY. Mol Cell Proteomics. 2013 Feb 8. [Epub ahead of print]

Applications

In situ Proximity Ligation Assay (Cell)

[HDAC1](#) [APPL1](#)

Gene Information

Entrez GeneID: [26060](#)

Gene Name: APPL1

Gene Alias: APPL,DIP13alpha

Gene Description: adaptor protein, phosphotyrosine interaction, PH domain and leucine zipper containing 1

Omim ID: [604299](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: The protein encoded by this gene has been shown to be involved in the regulation of cell proliferation, and in the crosstalk between the adiponectin signalling and insulin signalling pathways. The encoded protein binds many other proteins, including RAB5A, DCC, AKT2, PIK3CA, adiponectin receptors, and proteins of the NuRD/MeCP1 complex. This protein is found associated with endosomal membranes, but can be released by EGF and translocated to the nucleus. [provided by RefSeq]

Other Designations: AKT2 interactor, adaptor protein containing pH domain, PTB domain and leucine zipper motif 1, signaling adaptor protein DIP13alpha

Gene Information

Entrez GeneID: [3065](#)

Gene Name: HDAC1

Gene Alias: DKFZp686H12203,GON-10,HD1,RPD3,RPD3L1

Gene Description: histone deacetylase 1

Omim ID: [601241](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: Histone acetylation and deacetylation, catalyzed by multisubunit complexes, play a key role in the regulation of eukaryotic gene expression. The protein encoded by this gene belongs to the histone deacetylase/acuc/apha family and is a component of the histone deacetylase complex. It also interacts with retinoblastoma tumor-suppressor protein and this complex is a key element in the control of

cell proliferation and differentiation. Together with metastasis-associated protein-2, it deacetylates p53 and modulates its effect on cell growth and apoptosis. [provided by RefSeq]

Other OTTHUMP0000008745, reduced potassium dependency, yeast
Designations: homolog-like 1

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